

HOME	Product Info	Applications	Selection Guide	*Technical Data	Sizing	Maintenance / handling	Substitute third-party model no.	Search previous model No.	Download	Ca
------	--------------	--------------	-----------------	-----------------	--------	------------------------	----------------------------------	---------------------------	----------	----

HOME &gt; Product Info &gt; Free flow chain &gt; Double Plus Free Flow Chains

Contents with \* marks: for registered users c

Tsubaki Products	
Drive chain	
Small size conveyor chain	
Large size conveyor chain	
Plastic modular chain	
Top chain	
Plastic block chain	
Sprocket / Pin gear drive	
Cable Carriers (CABLEVEYOR)	
Timing belt / Timing pulley	
Reducers	
Linear actuator	
High-speed lifters	
Locking Device	
Coupling	
Clutches	
Electrical controllers	
Mechanical protectors	

## Double Plus Free Flow Chains



A Free Flow Chain using a unique combination of small and large diameter rollers to allow high speed conveyance at 2 speed of the chain.

Low chain speed allows for quiet accumulation.

A wide range of selections is available by combining four different base chain types with seven different roller types.

We also feature snap cover chains, which prevent parts from falling into conveyor frames, as well as a complete line-up of accessories.

A complete line-up of accessories.

※The plate contour for Double Plus Chain and Double Plus Chain with snap covers is different.

Be advised that you will not be able to add snap covers to Double Plus Chain that has already been installed.

### 1. Double Plus Chain Principle

Click below to learn about the principle of 2.5x free flow conveyance.

[Double Plus Chain Principle](#)

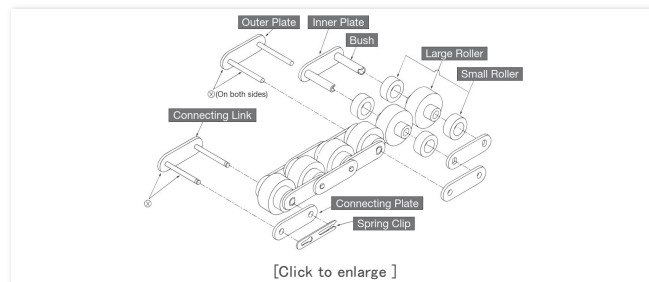
### 2. Combination of base chain and rollers

Select from a variety of base chains and rollers to meet your needs. Click on the following for more information.

[Chain and Roller Combinations](#)

### 3. Construction

Without Snap Cover



•“X” indicates a press fit. Other parts are slip fit.

•In case of Lambda specification.

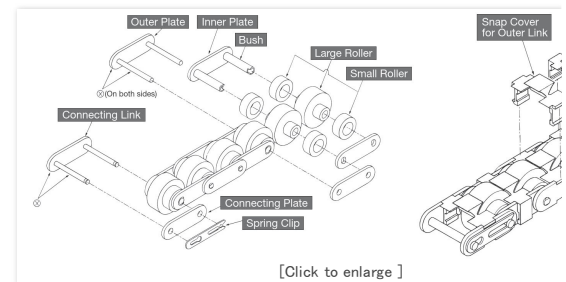
Bushes are a special oil-impregnated sintered bush.

Bushes are press-fitted into the inner link plate.

Pins are coated with a special nickel plating.

The inner and outer plates have a black oxide coating.

With Snap Cover



•“X” indicates a press fit. Other parts are slip fit.

•The plate contour for where the snap cover will be attached differs from the Chain diagram above.

•Snap covers can be attached and removed.

•For lambda specifications, refer to the explanation of the structural drawing snap cover.

### 4. Lineup with snap cover

•By attaching the light gray engineering plastic snap covers, you can cover the gap between large and small rollers, and between the small rollers themselves, preventing bolts, nuts getting caught or falling through.

### 5. About each specification



HOME	Product Info	Applications	Selection Guide	*Technical Data	Sizing	Maintenance / handling	Substitute third-party model no.	Search previous model No.	Download	Gi
------	--------------	--------------	-----------------	-----------------	--------	------------------------	----------------------------------	---------------------------	----------	----

HOME > Product Info > Free flow chain > Double Plus Free Flow Chains

Contents with \* marks: for registered users c

Tsubaki Products
Drive chain
Small size conveyor chain
Large size conveyor chain
Plastic modular chain
Top chain
Plastic block chain
Sprocket / Pin gear drive
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•SS Series (With / without Snap Cover)

Base chain is stainless steel, with rollers available in engineering plastic. Corrosion resistant.

While non-magnetic, it retains slight magnetism from plastic deformation during the parts processing and assembly processes. Contact a Tsubaki representative if a totally non is needed.

[E-Book Catalog \(Japanese\)](#)

[E-Book Catalog \(English\)](#)

## 6. List of Models

※Click the name for more information.

### Double Plus Free Flow Chains

Pitch mm	Plastic roller				Steel roller	Roller dia. mm	Inner width of inner link mm
	Standard Series	Lambda Series	Hardened chrome plating	Stainless Steel Package			
19.05	<a href="#">RF2030VRPA</a>	<a href="#">RF2030VRPA-LMC</a>	<a href="#">RF2030VRPA-HCP</a>	<a href="#">RF2030VRPA-SS</a>	<a href="#">RF2030VR</a>	11.91	8.0
	<a href="#">RF2030VRPB</a>	<a href="#">RF2030VRPB-LMC</a>	<a href="#">RF2030VRPB-HCP</a>	<a href="#">RF2030VRPB-SS</a>	----		
	<a href="#">RF2030VRPC</a>	<a href="#">RF2030VRPC-LMC</a>	<a href="#">RF2030VRPC-HCP</a>	<a href="#">RF2030VRPC-SS</a>	----		
	<a href="#">RF2030VRPD</a>	<a href="#">RF2030VRPD-LMC</a>	<a href="#">RF2030VRPD-HCP</a>	<a href="#">RF2030VRPD-SS</a>	----		
	<a href="#">RF2030VRPUA</a>	<a href="#">RF2030VRPUA-LMC</a>	<a href="#">RF2030VRPUA-HCP</a>	<a href="#">RF2030VRPUA-SS</a>	----		
	<a href="#">RF2030VRPUB</a>	<a href="#">RF2030VRPUB-LMC</a>	<a href="#">RF2030VRPUB-HCP</a>	<a href="#">RF2030VRPUB-SS</a>	----		
25.40	<a href="#">RF2040VRPA</a>	<a href="#">RF2040VRPA-LMC</a>	<a href="#">RF2040VRPA-HCP</a>	<a href="#">RF2040VRPA-SS</a>	<a href="#">RF2040VR</a>	15.88	10.3
	<a href="#">RF2040VRPB</a>	<a href="#">RF2040VRPB-LMC</a>	<a href="#">RF2040VRPB-HCP</a>	<a href="#">RF2040VRPB-SS</a>	----		
	<a href="#">RF2040VRPC</a>	<a href="#">RF2040VRPC-LMC</a>	<a href="#">RF2040VRPC-HCP</a>	<a href="#">RF2040VRPC-SS</a>	----		
	<a href="#">RF2040VRPD</a>	<a href="#">RF2040VRPD-LMC</a>	<a href="#">RF2040VRPD-HCP</a>	<a href="#">RF2040VRPD-SS</a>	----		
31.75	<a href="#">RF2050VRPA</a>	<a href="#">RF2050VRPA-LMC</a>	<a href="#">RF2050VRPA-HCP</a>	<a href="#">RF2050VRPA-SS</a>	<a href="#">RF2050VR</a>	19.05	13.0
	<a href="#">RF2050VRPB</a>	<a href="#">RF2050VRPB-LMC</a>	<a href="#">RF2050VRPB-HCP</a>	<a href="#">RF2050VRPB-SS</a>	----		
	<a href="#">RF2050VRPC</a>	<a href="#">RF2050VRPC-LMC</a>	<a href="#">RF2050VRPC-HCP</a>	<a href="#">RF2050VRPC-SS</a>	----		
	<a href="#">RF2050VRPD</a>	<a href="#">RF2050VRPD-LMC</a>	<a href="#">RF2050VRPD-HCP</a>	<a href="#">RF2050VRPD-SS</a>	----		
38.10	<a href="#">RF2060VRPA</a>	<a href="#">RF2060VRPA-LMC</a>	<a href="#">RF2060VRPA-HCP</a>	<a href="#">RF2060VRPA-SS</a>	<a href="#">RF2060VR</a>	22.23	15.5
	<a href="#">RF2060VRPB</a>	<a href="#">RF2060VRPB-LMC</a>	<a href="#">RF2060VRPB-HCP</a>	<a href="#">RF2060VRPB-SS</a>	----		
	<a href="#">RF2060VRPC</a>	<a href="#">RF2060VRPC-LMC</a>	<a href="#">RF2060VRPC-HCP</a>	<a href="#">RF2060VRPC-SS</a>	----		
	<a href="#">RF2060VRPD</a>	<a href="#">RF2060VRPD-LMC</a>	<a href="#">RF2060VRPD-HCP</a>	<a href="#">RF2060VRPD-SS</a>	----		
50.80	<a href="#">RF2080VRPA</a>	<a href="#">RF2080VRPA-LMC</a>	<a href="#">RF2080VRPA-HCP</a>	<a href="#">RF2080VRPA-SS</a>	----	28.58	20.0
	<a href="#">RF2080VRPB</a>	<a href="#">RF2080VRPB-LMC</a>	<a href="#">RF2080VRPB-HCP</a>	<a href="#">RF2080VRPB-SS</a>	----		
	<a href="#">RF2080VRPC</a>	<a href="#">RF2080VRPC-LMC</a>	<a href="#">RF2080VRPC-HCP</a>	<a href="#">RF2080VRPC-SS</a>	----		
	<a href="#">RF2080VRPD</a>	<a href="#">RF2080VRPD-LMC</a>	<a href="#">RF2080VRPD-HCP</a>	<a href="#">RF2080VRPD-SS</a>	----		

### Double Plus Snap Cover Chain

Pitch mm	Plastic roller				Steel roller	Roller dia. mm	Inner width of inner link mm
	Standard Series	Lambda Series	Hardened chrome plating	Stainless Steel Package			
19.05	<a href="#">RF2030VRPA-SC</a>	<a href="#">RF2030VRPA-LMCSC</a>	<a href="#">RF2030VRPA-HCPSC</a>	<a href="#">RF2030VRPA-SSSC</a>	<a href="#">RF2030VR-SC</a>	11.91	8.0
	<a href="#">RF2030VRPB-SC</a>	<a href="#">RF2030VRPB-LMCSC</a>	<a href="#">RF2030VRPB-HCPSC</a>	<a href="#">RF2030VRPB-SSSC</a>	----		
	<a href="#">RF2030VRPC-SC</a>	<a href="#">RF2030VRPC-LMCSC</a>	<a href="#">RF2030VRPC-HCPSC</a>	<a href="#">RF2030VRPC-SSSC</a>	----		
	<a href="#">RF2030VRPD-SC</a>	<a href="#">RF2030VRPD-LMCSC</a>	<a href="#">RF2030VRPD-HCPSC</a>	<a href="#">RF2030VRPD-SSSC</a>	----		
	<a href="#">RF2030VRPUA-SC</a>	<a href="#">RF2030VRPUA-LMCSC</a>	<a href="#">RF2030VRPUA-HCPSC</a>	<a href="#">RF2030VRPUA-SSSC</a>	----		
	<a href="#">RF2030VRPUB-SC</a>	<a href="#">RF2030VRPUB-LMCSC</a>	<a href="#">RF2030VRPUB-HCPSC</a>	<a href="#">RF2030VRPUB-SSSC</a>	----		
25.40	<a href="#">RF2040VRPA-SC</a>	<a href="#">RF2040VRPA-LMCSC</a>	<a href="#">RF2040VRPA-HCPSC</a>	<a href="#">RF2040VRPA-SSSC</a>	<a href="#">RF2040VR-SC</a>	15.88	10.3
	<a href="#">RF2040VRPB-SC</a>	<a href="#">RF2040VRPB-LMCSC</a>	<a href="#">RF2040VRPB-HCPSC</a>	<a href="#">RF2040VRPB-SSSC</a>	----		



<a href="#">HOME</a>	<a href="#">Product Info</a>	<a href="#">Applications</a>	<a href="#">Selection Guide</a>	<a href="#">*Technical Data</a>	<a href="#">Sizing</a>	<a href="#">Maintenance / handling</a>	<a href="#">Substitute third-party model no.</a>	<a href="#">Search previous model No.</a>	<a href="#">Download</a>	<a href="#">Ci</a>
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HOME > Product Info > Free flow chain > Double Plus Free Flow Chains

Contents with \* marks: for registered users c

Tsubaki Products Drive chain Small size conveyor chain Large size conveyor chain Plastic modular chain Top chain Plastic block chain Sprocket / Pin gear drive Cable Carriers (CABLEVEYOR) Timing belt / Timing pulley Reducers Linear actuator High-speed lifters Locking Device Coupling Clutches Electrical controllers Mechanical protectors	38.10	<a href="#">RF2060VRPA-SC</a>	<a href="#">RF2060VRPA-LMCSC</a>	<a href="#">RF2060VRPA-HCPSC</a>	<a href="#">RF2060VRPA-SSSC</a>	<a href="#">RF2060VR-SC</a>	---	22.23	15.5
		<a href="#">RF2060VRPB-SC</a>	<a href="#">RF2060VRPB-LMCSC</a>	<a href="#">RF2060VRPB-HCPSC</a>	<a href="#">RF2060VRPB-SSSC</a>				
		<a href="#">RF2060VRPC-SC</a>	<a href="#">RF2060VRPC-LMCSC</a>	<a href="#">RF2060VRPC-HCPSC</a>	<a href="#">RF2060VRPC-SSSC</a>				
		<a href="#">RF2060VRPD-SC</a>	<a href="#">RF2060VRPD-LMCSC</a>	<a href="#">RF2060VRPD-HCPSC</a>	<a href="#">RF2060VRPD-SSSC</a>				
	50.80	<a href="#">RF2080VRPA-SC</a>	<a href="#">RF2080VRPA-LMCSC</a>	<a href="#">RF2080VRPA-HCPSC</a>	<a href="#">RF2080VRPA-SSSC</a>	---	28.58	20.0	
		<a href="#">RF2080VRPB-SC</a>	<a href="#">RF2080VRPB-LMCSC</a>	<a href="#">RF2080VRPB-HCPSC</a>	<a href="#">RF2080VRPB-SSSC</a>				
		<a href="#">RF2080VRPC-SC</a>	<a href="#">RF2080VRPC-LMCSC</a>	<a href="#">RF2080VRPC-HCPSC</a>	<a href="#">RF2080VRPC-SSSC</a>				
		<a href="#">RF2080VRPD-SC</a>	<a href="#">RF2080VRPD-LMCSC</a>	<a href="#">RF2080VRPD-HCPSC</a>	<a href="#">RF2080VRPD-SSSC</a>				

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